

AMENDMENT TO THE SPECIFICATION

Please amend the paragraph starting at page 8, line 3 as follows:

Sensor ~~310~~ 312 is not a capacitive sensor and also does not rely on thermionic emission for sensing. The current through sensor ~~310~~ 312 is not a capacitive displacement current, but is approximately in phase with the voltage on sensor ~~310~~ 312. Sensor ~~310~~ 312 is arranged so that it can operate on a quantum mechanical effect referred to variously as "field emission," "the cold-cathode effect," "auto-electronic emission," or "tunneling."